

PICTURED ROCKS NATIONAL LAKESHORE PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Pictured Rocks National Lakeshore. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

Grand Marais District

1. An inductive loop traffic counter is located on Twelve Mile Beach Road near Alger County Road H-58. The traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2).
2. An inductive loop traffic counter is located on Alger County Road H-58 west of the Grand Sable Visitor Center. The traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2).
3. The number of visitors entering the Grand Marais Maritime Museum. This number is reported by the museum staff.
4. The number of Snowmobile users.
5. The number of cross-country skiers. This is the number of vehicles observed in the parking areas averaged by the number of days in the month. The estimated number of vehicles is then multiplied by a persons per vehicle multiplier of 2.
6. The number of snow shoers. This is an estimate based on ranger observations.

Munsing District

1. An inductive loop traffic counter is located at Sand Point. The traffic count is reduced by the number of non-reportable vehicles (see Table 2).
2. An inductive loop traffic counter is located at Munsing Falls. In the months of November, December, January, February, and March the traffic counter counts vehicles entering and exiting the park. During these months the traffic count is divide by two to adjust for vehicles entering and exiting. In the other months, the traffic counter is recording the actual number of vehicles. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2).
3. An inductive loop traffic counter is located at Miners Area. The traffic count is reduced by the number of non-reportable vehicles (see Table 2).
4. An inductive loop traffic counter is located at Chapel. The traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2). If this traffic counter is not operating please see Table 3 for the estimated number of visitors for this location.
5. An inductive loop traffic counter is located at Little Beaver. The traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2). If this traffic counter is not operating please see Table 3 for the estimated number of visitors for this location.
6. An inductive loop traffic counter is located at Munsing Ski Trails (H-58 Lot). The traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2).
7. An inductive loop traffic counter is located at City Limits Lot. The traffic count is increased by thirty percent to account for vehicles entering the ski trails but not recorded by a traffic counter. The corrected traffic count is divide by two to adjust for axle counting. The adjusted traffic count is reduced by the number of non-reportable vehicles (see Table 2).
8. The number of boat passengers. This number is estimated as 7,000 in June, 18,000 in July, 17,000 in August and 8,000 in September.
9. The number of snowmobiles. This is an estimated based on park staff counts.
10. The number of visitors to Beaver Basin and Becker Farms. This is estimated by the park staff and shown in Table 3.

During the months of April through November, the visitors counts are summed at each counting area (excluding boat passengers) and multiplied by 0.50 to correct for duplicate reporting. The adjusted traffic counts are multiplied by the persons per vehicle multipliers in Table 1. The winter months of December through March is the sum of all reporting areas.

Sand Point will only be reduced for the months of June, July and August.

Table 1
Person Per Vehicle Multipliers by Month and Location

MONTHS	Sand Point and Munsing Falls	All Other Locations
JANUARY	2.5	1
FEBRUARY	2.5	1
MARCH	2.5	1
APRIL	2.5	2.5
MAY	2.5	2.5
JUNE	3	3
JULY	3	3
AUGUST	3	3
SEPTEMBER	2.5	2.5
OCTOBER	2.5	2.5
NOVEMBER	2.5	2.5
DECEMBER	2.5	1

Table 2
Non-reportable Vehicles by Month and Location

MONTHS	Sand Point	Munsing Falls	Miners Area	Chapel	Little Beaver	12 Mile	Grand Sable	Munsing Ski Trail	City Limits
JANUARY	500	60	10	0	0	18	182	40	40
FEBRUARY	500	60	10	0	0	18	182	40	40
MARCH	500	60	10	0	0	18	182	15	15
APRIL	500	60	20	0	0	255	240	0	0
MAY	900	125	60	20	20	320	420	0	0
JUNE	1000	150	100	25	25	320	420	0	0
JULY	1000	150	100	25	25	320	420	0	0
AUGUST	1000	150	100	25	25	320	420	0	0
SEPTEMBER	1000	100	50	15	15	320	420	0	0
OCTOBER	500	100	60	10	10	255	240	0	0
NOVEMBER	500	60	30	10	5	255	240	0	0
DECEMBER	500	60	10	0	0	18	182	30	30

Table 3
Estimated Visitors for Little Beaver and Chapel Road

MONTHS	Little Beaver	Chapel Road	Beaver Basin	Becker Farm
JANUARY	50	30	20	80
FEBRUARY	150	30	100	250
MARCH	50	100	40	200
APRIL	5	20	0	40
MAY	1450	700	20	40
JUNE	2200	2400	100	100
JULY	4900	4200	100	100
AUGUST	4900	5500	100	50
SEPTEMBER	2700	3000	100	100
OCTOBER	800	1000	60	50
NOVEMBER	200	100	20	20
DECEMBER	50	30	20	25

Non-recreation Visits

Table 4
The Number of Non-recreation Visitors by Month

MONTHS	Non-recreation Visitors
JANUARY	50
FEBRUARY	50
MARCH	50
APRIL	230
MAY	230
JUNE	230
JULY	170
AUGUST	170
SEPTEMBER	170
OCTOBER	230
NOVEMBER	135
DECEMBER	135

Recreation Visitor Hours

1. The number of visitors, prior to corrections for duplicate reporting, is multiplied by four hours (May through October) or two hours (November through April).
2. The number of overnight stays is multiplied by 18 hours.

Non-recreation Visitor Hours

The number of non-recreation visitors is multiplied by 0.3 hours (18 minutes).

Overnight Stays

NPS Campgrounds - Hurricane River, Little Beaver Lake, and Twelve Mile Beach

The number of overnight stays by tent and RV campers at NPS campgrounds.

NPS Backcountry - Miscellaneous Sites

The number of overnight stays by backcountry campers.

Special Use Data

- Line a. The number of visitors at Grand Marais District
- Line b. The number of visitors at Munsing District
- Line c. The number of visitors entering Grand Sable Visitor Center
- Line d. The number of visitors entering the Grand Marais Maritime Museum
- Line e. The number of skiers at H-58 and City Limits lot
- Line f. The number of cross-country skiers and snowshoers at Grand Marais
- Line g. The number of snowmobilers at Munsing District
- Line h. The number of snowmobilers at Grand Marais District
- Line i. The number of visitors at the visitor information station at Munsing.
- Line n. The number of buses